

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Gopalan Raman

Confirmation No.: Unkn.

Application No.: Unknown

Examiner: Unknown

Filing Date: Herewith

Group Art Unit: Unkn.

Title: FLUID EJECTION DEVICE

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e)(1) or (2), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00 . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **EV409552090US**

Date of Deposit **Feb. 27, 2004**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By



Typed Name: **Vernetil Beal**

Respectfully submitted,

**Gopalan Raman**

By



**Scott A. Lund**

Attorney/Agent for Applicant(s)

Reg. No. **41,166**

Date: **Feb. 27, 2004**

**PATENT APPLICATION**

Sheet 1 of 3

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200400043-1</b>	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT <b>Gopalan Raman</b>		
	FILING DATE <b>Herewith</b>	GROUP <b>Unkn.</b>	

**REFERENCE DESIGNATION****U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	4,794,411	12/1988	Taub et al.	
	1B	4,853,036	08/1989	Koike et al.	
	1C	5,462,590	10/1995	Yui et al.	
	1D	5,580,372	12/1996	Gino et al.	
	1E	5,757,400	05/1998	Hoisington	
	1F	5,874,974	02/1999	Courian et al.	
	1G	5,946,012	08/1999	Courian et al.	
	1H	6,145,977	11/2000	Natsuhara et al.	
	1I	6,247,787	06/2001	Giere et al.	
	1J	6,247,798	06/2001	Cleland et al.	
	1K	6,302,505	10/2001	Askeland et al.	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

	1Q	MOOJIN Ink, MOOJIN Corporation, Retrieved from the Internet on 01/12/2004 at: < <a href="http://www.moojin.net/products.php?mode=products_detail&amp;goods_name=Advertising_05">http://www.moojin.net/products.php?mode=products_detail&amp;goods_name=Advertising_05</a> > , 2 pages.
	1R	Piezo Printhead Customization, Palo Alto Research Center, retrieved from the Internet on 01/12/2004 at: < <a href="http://www.parc.Xerox.com/research/dhl.projects/dropletdispensing/customization.html">http://www.parc.Xerox.com/research/dhl.projects/dropletdispensing/customization.html</a> > , 3 pages.
	1S	Surface Tension Measurement, Softal Electronic, retrieved from the Internet on 01/12/2004 at: < <a href="http://www.softal.de/home/en/products/accessories/measurements/">http://www.softal.de/home/en/products/accessories/measurements/</a> > , 1 page.

EXAMINER	DATE CONSIDERED
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## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	6,341,856	01/2002	Thompson et al.	
	2B	6,364,467	04/2002	Blair et al.	
	2C	6,443,564	11/2002	Keil et al.	
	2D	6,467,882	10/2002	Inui et al.	
	2E	6,478,418	11/2002	Reboa et al.	
	2F	6,527,370	03/2003	Courian et al.	
	2G	6,536,878	03/2003	Kasperchik et al.	
	2H	6,557,974	05/2003	Weber	
	2I	6,565,195	05/2003	Blair	
	2J	5,666,143	09/1997	Burke et al.	
	2K	6,585,352	07/2003	Torgerson et al.	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	UVivid, UV Narrow Web Printing Inks, Sericol, retrieved from the Internet on 01/12/2004 at: < <a href="http://www.sericol.co.uk/ProductsatSeericol/piFORweb23_5_00/FlexoFL.pdf">http://www.sericol.co.uk/ProductsatSeericol/piFORweb23_5_00/FlexoFL.pdf</a> > , 5 pages.
2R	
2S	

EXAMINER

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FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
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(Use several sheets if necessary)

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A	5,912,685	06/1999	Raman	
	3B	20020033862	03/2002	Yoshihira et al.	
	3C	20020163563	11/2002	Blair	
	3D	20030043245	03/2003	Yamashita et al.	
	3E	20030184614	10/2003	Torgerson et al.	
	3F				
	3G				
	3H				
	3I				
	3J				
	3K				

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	3N					
	3O					
	3P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	
	3R	
	3S	

EXAMINER

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